

**Amendments to the Specification:**

Page 6, replace the first full paragraph as follows:

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**Summary of the Invention**

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An embodiment of the present invention provides for a system and computer program to multicast messages to several terminals in a network. This system and computer program has an MDP database table containing parameters used to manage transmission and reception of multicast messages in the network. An MDP server initialization module ~~to reads~~s the parameters from the MDP database table and initializes an MDP session utilizing these parameters in a server. An MDP client initialization module ~~to reads~~s the parameters from the MDP database table and initializes an MDP session utilizing the parameters in a workstation. An MDP server operations module ~~to receives~~s requests to transmit messages, creates a MDP information packet for each message, and transmits the message to each recipient designated in the MDP information packet. The system and computer program also has an MDP client operations module to receive messages transmitted by the MDP server operations module and transmit these messages to a higher level software application.

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Page 22, please replace the first full paragraph spanning over to page 23 as follows:

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FIG. 7 is a table of an MDP information packet used in an example embodiment of the present invention. The table shown in FIG. 7 contains a description of what appears to each byte of the MDP information packet. In byte field 1000 the number of

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A addressees or client workstations that are to receive the message is provided in the first four bytes. Byte field 1010, bytes 5 - 8, provides the Internet protocol (IP) address for this particular client workstation. Thereafter, in byte field 1020, bytes 9 - 12, the emission control setting is provided. Where the emission control setting is disabled, this is indicative of an action recipient and if the emission control setting is enabled, this is indicative of an info recipient. As previously discussed, an action recipient will send negative acknowledgment's whenever an incomplete packet or missing packet in a message exists. However, an info recipient will only send a negative acknowledgment when an MDP information packet is received. Thereafter, in the MDP information packet shown in FIG. 7, byte fields 1000, 1010, and 1020 are repeated for each recipient of this particular multicast message. Where the embodiments of the present invention are utilized in a low bandwidth network 10 environment, it has been found that a maximum of sixteen recipient's for particular message makes for a more efficient network operation. However, depending ~~of~~ on the type of network 10 being used, any number of recipient may be designated up to  $2^{32}$  minus one.

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Page 23, please replace the first full paragraph as follows:

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A Using the embodiments of the present invention, a systems administrator may find tune and manage an otherwise slow and unreliable network with minimal overhead. The embodiments of the present invention are ideally suited for a wireless communications network. However, the embodiments the present invention may be used in any type of packet switched network. Further, using the embodiments of the present invention a system's administrator may modify parameters used to control the sending and receiving of messages so that the network operates at maximum

efficiency. Also, the embodiments of the present invention can assure that individuals or workstations identified as critical recipient of a message receive that message in its entirety. However, in those cases where the identified recipients are not deemed to be critical recipients, no bandwidth is used to repair or receive corrupted packets. Therefore, the overhead needed to send and receive multicast messages is kept to absolute minimum.

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